pellenc s.a.

Route de Cavaillon
B.P. 47
84122 PERTUIS cedex
(France)
Tel : +33(0)4 90 09 47 00 Fax : +33(0)4 90 09 64 09
E-mail : pellenc.sa@pellenc.com
www.pellenc.com

ENG

Translation of the original user guide

USER GUIDE

AIRION

Blower

Content:
- a blower
- a blowing nozzle
- a carrying hook
- an Allen wrench
- a user guide

READ THE USER'S GUIDE CAREFULLY BEFORE USE

57_83350_F - 11/2014

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INTRODUCTION

ENVIRONMENTAL PROTECTION

Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.

Comply with the regulations in force in your country as concerns environmental protection associated with your activity.

PLEASE KEEP THESE INSTRUCTIONS

This manual contains important information and operating instructions for the following tool: AIRION.

It is IMPERATIVE that you read through the ENTIRE USER'S MANUAL before using or servicing the tool. Always comply with the instructions and illustrations in the manual.

All through this user guide you will find advisory notes and information entitled: **REMARK**, **CAUTION** / **WARNING**.

A **REMARK** provides additional information, clarifies a point or explains a step to be followed in detail.

The **CAUTION** and **WARNING** advisories are used to define a procedure which, if neglected or incorrectly performed, may lead to serious damage to the equipment and/or personal injury.

This advisory: G indicates that if the procedures or instructions are not complied with, any damage will not be covered by the warranty and the owner will be responsible for the repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

Refer to the «SAFETY INDICATIONS» heading in order to identify the location of the safety indications on the tool.

No part of this manual may be reproduced without the written consent of PELLENC. The technical characteristics and the illustrations given in this manual are for information purposes and are in no way contractual. PELLENC reserves the right to make any modification or improvement to its products as deemed necessary without informing customers already in possession of a similar model. This manual forms an integral part of the tool and must accompany the tool if it changes hands.

SAFETY INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS FOR THE TOOL

CAUTION Read all the safety measures and all the instructions.
Retain all the safety measures and instructions for later reading.

WORK AREA SAFETY

a. Keep the work area clean and well lit.
b. Do not use electric tools in an explosive atmosphere, for example in the presence of flammable liquids, gases or dust.
c. Keep children and persons present away when using the tool.

ELECTRICAL SAFETY

a. The plugs of the electric tool must be adapted to the base. Never modify the plug in any way whatsoever. Do not use adaptors with grounded tools.
b. Avoid any body contact with grounded surfaces such as pipes, radiators, cookers and refrigerators.
c. Do not expose tools to rain or damp conditions.
d. Do not misuse the power cord. Never use the power cord to carry, pull or disconnect the tool. Keep the power lead away from heat, lubricant, sharp edges or moving parts.
e. When using a tool outdoors, use an extension adapted to outdoor use.
f. If you must use a tool in a damp place, use power supply protected by a residual current device (RCD).

PERSONAL SAFETY

a. Remain vigilant, watch what you are doing and use common sense when using the tool. Do not use a tool if you are tired or under the influence of drugs, alcohol or medication.
b. Wear safety equipment. Always wear eye protection.
c. Avoid any untimely starting of the device. Make sure the switch is in the off position before connecting the tool to the mains and/or battery pack, picking it up or carrying it.
d. Remove any adjustment key before starting the tool.
e. Do not rush. Adopt a suitable position and remain balanced at all times.
f. Wear appropriate clothing. Do not wear loose clothing or jewellery.
g. Keep hair, clothing and gloves away from moving parts.
h. If systems are provided to connect dust extraction and recovery equipment, make sure these systems are connected and properly used.

TOOL USAGE AND MAINTENANCE

a. Do not force the tool. Use a tool suited to your application.
b. Do not use the tool if the switch does not allow it to be switched on and off.
c. Disconnect the plug of the power supply source and/or battery pack from the tool prior to any adjustment, change of accessories or before putting the tool away.
d. When not in use, keep tools out of reach of children, and do not allow persons to use the tool if they do not know how to use it and if they have not read these instructions.
e. Comply with tool servicing instructions. Check that the moving parts are not misaligned or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the tool. In the event of damage, have the tool repaired before using it.
f. Keep the cutting components sharp and clean.
g. Use the tool, accessories, blades etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.

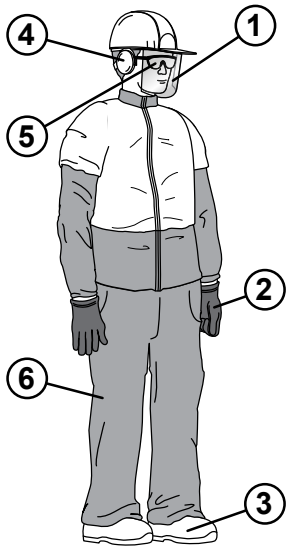
MAINTENANCE AND UPKEEP

a. Have the tool serviced by a qualified repairer using only identical spare parts.

SAFETY INSTRUCTIONS FOR AIRION

1– Do not misuse the power lead. Never use the power lead to carry, pull or disconnect the tool. Keep the power lead away from heat, lubricant, sharp edges and moving parts.
2– Never modify the connector in any way whatsoever.
3– Wear safety equipment. Always wear eye protection.
4– The dust raised during operation can be harmful to health. In case of liberation of dust, wear a dust mask.
5– Comply with the tool servicing instructions. Check that the moving parts are not misaligned or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the tool. If there is damage, have the tool repaired before using it.
6– Inspect the work area prior to starting. Remove all debris and hard object such as stones, glass, wires, etc. which could fly and cause serious injuries or damage when the blower is in use.
7– Use the blower to blow out grass, straw or leaf waste, urban garbage.
8– Never blow towards people or animals - the blower can lift up small objects and throw them out at high speed - **risk of injury**.
9– While using the blower, be careful not to endanger small animals.
10– Stop the blower, turn off the battery, disconnect the power cord and wait for the rotor to stop before opening the air intake grille: risk of serious injuries (moving part).
11– Do not obstruct, part or all of the air intake.
12– Ensure air intake grille maintenance.
13– Inspect the blower before each use, check that the parts are not worn, loose, damaged or missing. Do not use the blower if it is not in perfect condition.
14– To avoid fire spreading, do not use the blower near wood fires or barbecues, etc.
15– Do not draw up solids or liquids through the intake duct - **risk of damaging rotating components and intake grilles**.

SAFETY INDICATIONS



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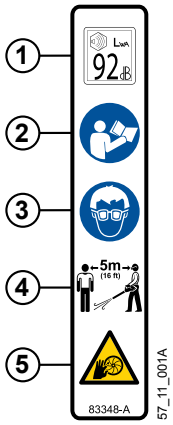
	Protective equipment	Wearing is
1	Visor	Optional
2	Gloves	Recommended
3	Non-slip safety boots	Optional
4	Ear protection	Recommended
5	Safety goggles	Mandatory
6	Protective trousers	Recommended



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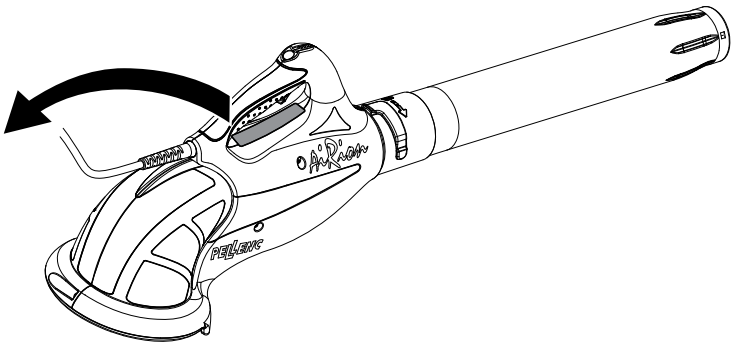
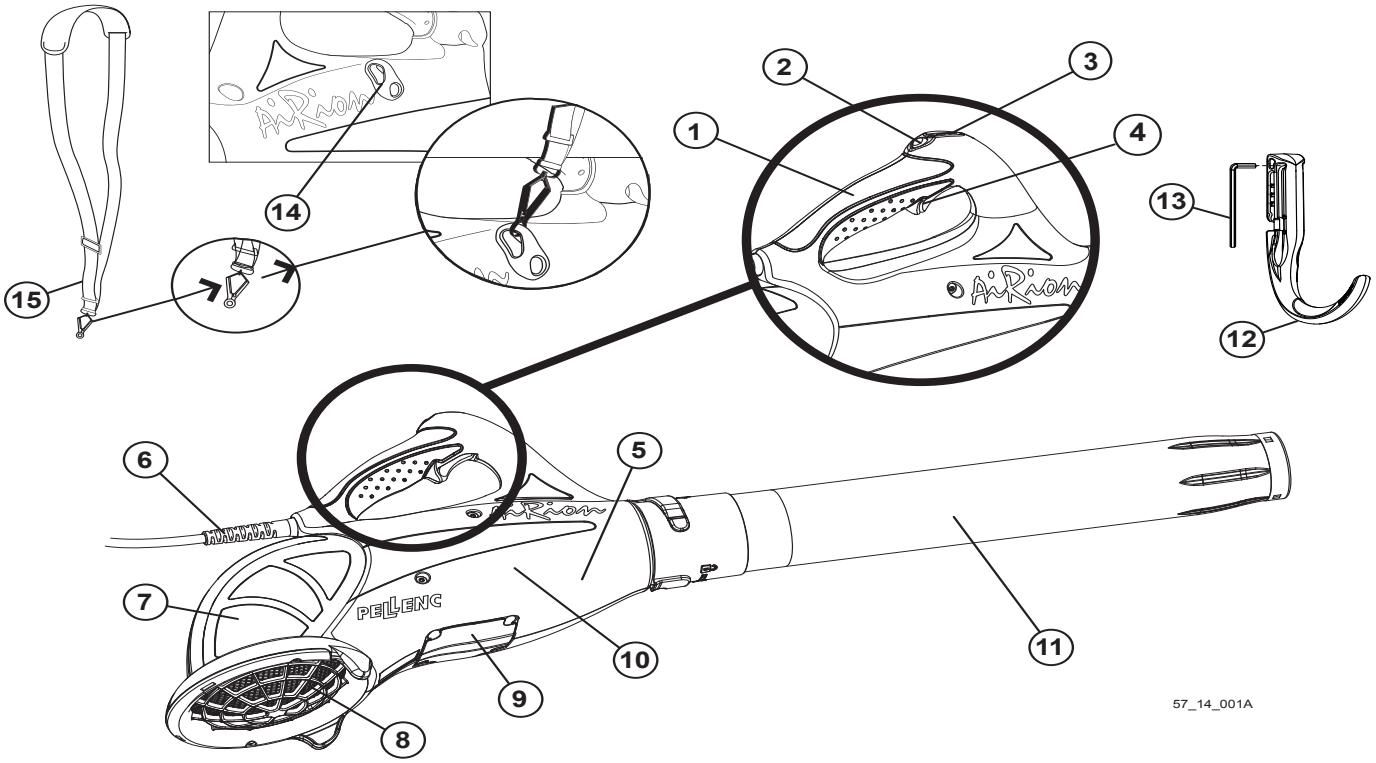


1– LwA sound power level guaranteed.
2– Read the user guide.
3– It is mandatory to wear safety goggles.
4– Nobody must stand within 5 m (16 ft) of the tool in operation.
5– Never put your fingers or insert objects in the air intake grille. When air intake grilles are not mounted, there is a risk of impact with rotating parts - **risk of injuries !** - risk of damaging rotating components.

DESCRIPTION AND TECHNICAL CHARACTERISTICS



1– Control handle
2– Speed selection button / "Booster" mode
3– Power and speed indicator lights
4– Gradual control trigger
5– Protective casing
6– Blower power cord
7– Air intake elbow (Pellenc innovation)
8– Air intake grille
9– Electronic maintenance hatch
10– Axial-flow turbine (Pellenc innovation)
11– Shaped blowing nozzle
12– Carrying hook (see page 17)
13– Allen wrench
14– Hanging hook
15– Carrying strap

TECHNICAL CHARACTERISTICS

AIRION

Type	Hand-held blower
PELLENC motor	Electronic commutation
Maximum power (W)	750
Net weight (g)	2580
Dimensions l x w x h (mm)	1022 x 232 x 318
Maximum air speed ($m.s^{-1}$)*	61
Maximum air flow ($m^3.h^{-1}$) with blowing nozzle Maximum air flow ($m^3.h^{-1}$) without blowing nozzle	730 880
Autonomy	Depending on the use and type of battery

WARNING
Blowers manufactured prior to July 2013 are not compatible with ULIB batteries with grey connectors.

Determining the sound levels and vibration rates is based on the operating conditions at the maximum nominal rating.

Vibration rate

Vibration emission value as per EN 60745-1:2009	handle $a_h \leq 0,7$ m/s²	uncertainty $K_d = 1,5$ m/s²

Sound emission

Maximum A-weighted sound pressure level (ref. 20 µPa) at the position of the user	L_{pA} = 78 dB(A)	K = 2,5 dB(A)
C-weighted peak sound pressure (ref. 20 µPa) at the position of the user	L_{pC} < 130 dB(C)	

Symbol	Value	Unit	Reference	Comment
L_{WAm}	89	dB(A)	1 pW	Measured sound power level
L_{WAg}	92	dB(A)	1 pW	Guaranteed sound power level

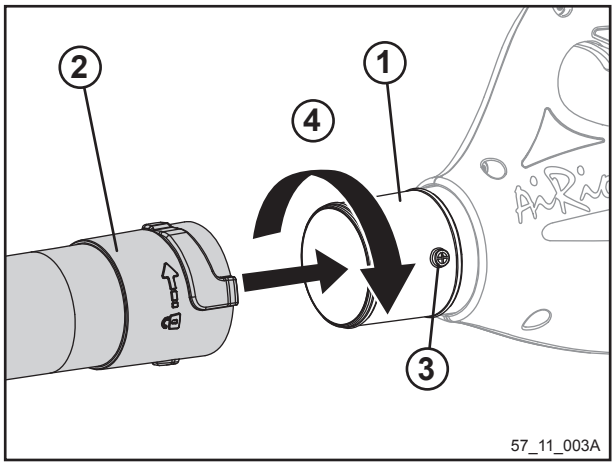
The recording of the measured sound power level and of the guaranteed sound power level has been performed according to a procedure in accordance with directive 2000/14/CE appendix V.

PUTTING THE TOOL INTO SERVICE

ASSEMBLY / DISASSEMBLY OF THE BLOWING NOZZLE

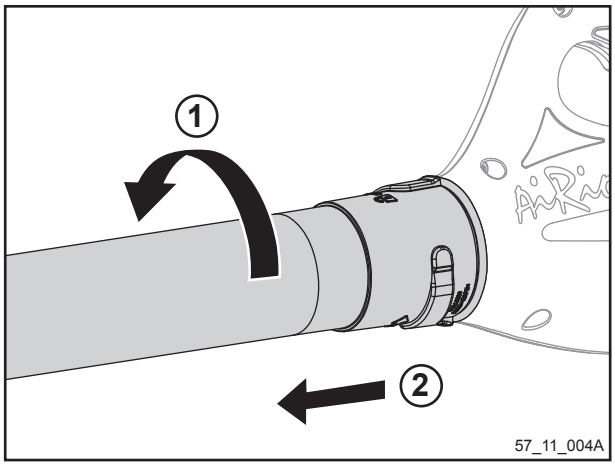
ASSEMBLY

1– Fit the blowing tube (1) in nozzle (2) up to the locking stud (3).
2– Make a quarter turn in the direction shown (4) to lock the nozzle.



DISASSEMBLY

1– Make a quarter turn in the direction shown (1) to unlock the nozzle.
2– Disconnect the blowing tube from the nozzle (2).



WARNING
Never operate the blower with the nozzle not fully assembled and locked.

STARTING AND USE

HOLDING THE TOOL

The blower is designed to be operated with one hand.
The user can carry it holding the control handle with the left or right hand.
Always walk slowly while working.
Always check the blowing nozzle outlet area.

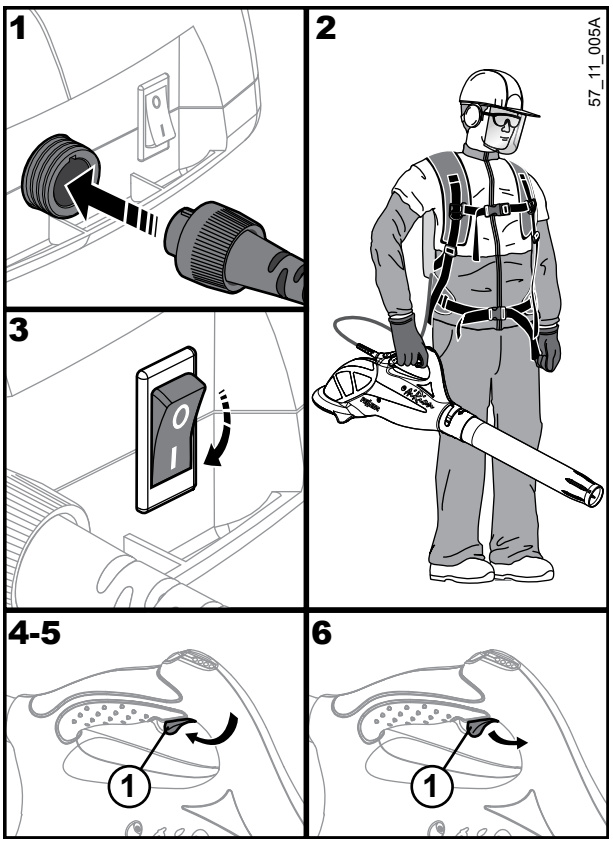
PREPARING THE BATTERY FOR USE

Refer to the notice for the Pellenc tools battery.

STARTING

Before start-up, make sure that the blower is in perfect condition to guarantee safe operation.

1– Connect the blower power cord to the Pellenc power tool battery. Screw it on and make sure it is properly attached.
2– Hold the blower in its operating position, blowing nozzle pointing to the ground.
3– Flip the ON/OFF switch of the Pellenc power tool battery to ON «I». When the indicator light is on and the battery beeps 3 times, the blower is energized and ready to operate.
4– Press the control trigger (1) to start the blower. Walk slowly while blowing out from one side to another the leaves, green waste or urban garbage.
5– The blower speed varies according to the pressure on the trigger.
6– Release the trigger (1) to stop the blower.



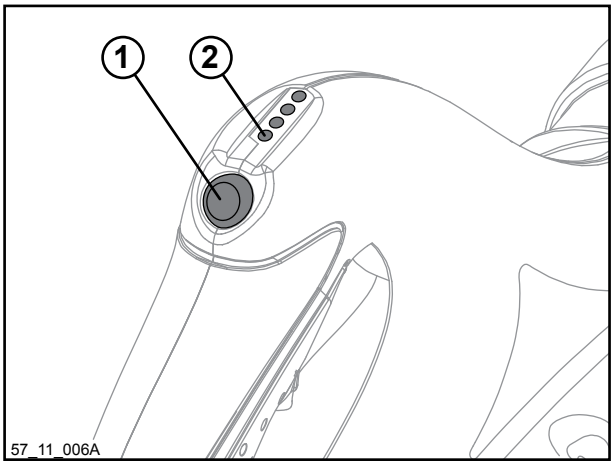
The progressiveness of the control trigger allows precise and instantaneous control of the air flow.

CAUTION
Make sure you keep sufficient distance (at least 30 cm) between the air intake and any volatile source (grounds, walls, roofs, etc.), such as sand, gravels, liquids, etc.
These objects are likely to be drawn, pass through the air intake grille, damage your equipment and be high-speed projected.

SPEED SELECTOR

Your blower is equipped with a speed change system. This system is used to optimize and vary the air flow power using the selector (1) on the handle.

When the blower is energized, the four indicator lights on the handle (2) indicate the selected speed.

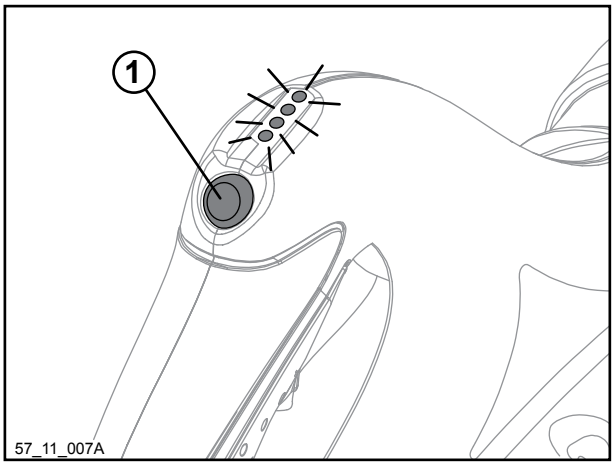


Indicator light status	Selected speed	Power	Air speed	Air flow
1 lights lit	Speed 1	200 W	37 m/s	450 m^3/h
2 lights lit	Speed 2	350 W	46 m/s	555 m^3/h
3 lights lit	Speed 3	450 W	52 m/s	620 m^3/h
4 lights lit	Speed 4	550 W	55 m/s	660 m^3/h
4 flashing lights	Booster	750 W	61 m/s	730 m^3/h

"BOOSTER" MODE

The blower has a "booster" mode which gives the maximum power (750 W) instantly. The speed and air flow are then at the maximum (air speed: 61 m/s - air flow: 730 m^3/h).
This mode is available for each speed.

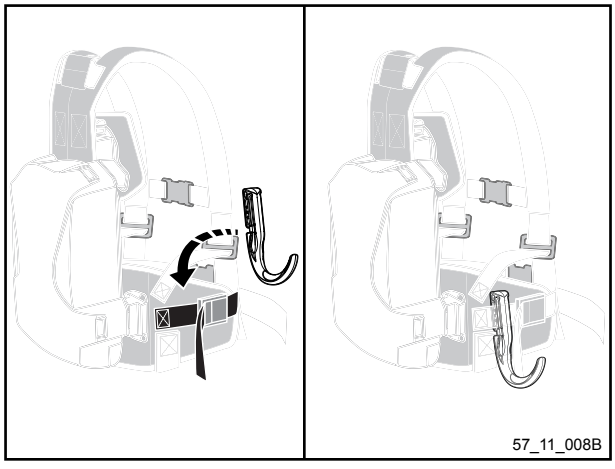
Hold the selector button down (1) to switch to the "booster" mode. The mode activates after 0.5 seconds and the four indicator lights flash simultaneously.
When you release the button, the blower goes back to its initial speed.



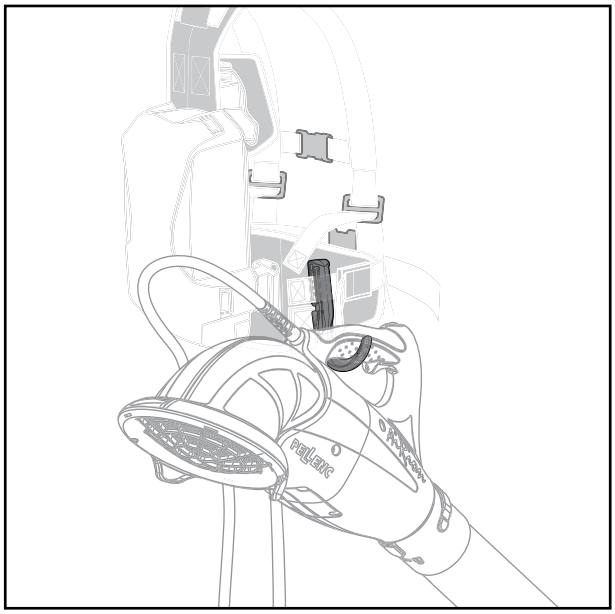
Only use the "booster" mode temporarily and in case you need it (stuck debris, etc.) in order to limit the blower power consumption.

CARRYING

Install the carrying hook on the lateral strap of the equipment carrier vest.

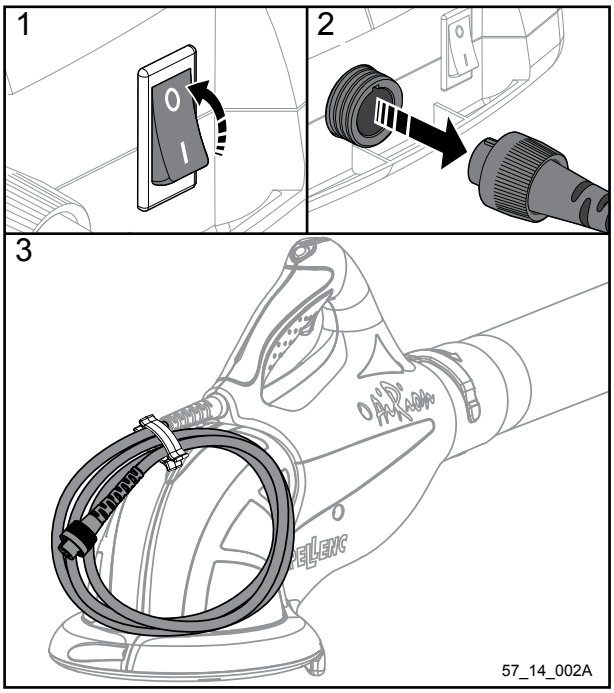


Attach the blower to the carrying hook.



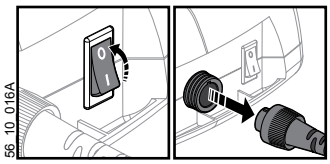
AFTER USE

1– Flip the ON/OFF switch of the Pellenc power tool battery to OFF «0»
2– Unscrew the blower power cord and remove the battery.
3– Make 3 loops with the cord and attach it at the rear of the handle with the carrying hook (see picture).



SERVICING

WARNING:
Before working on the tool, check that the On / Off switch is in the off position «0» and disconnect the battery power lead.



CLEANING

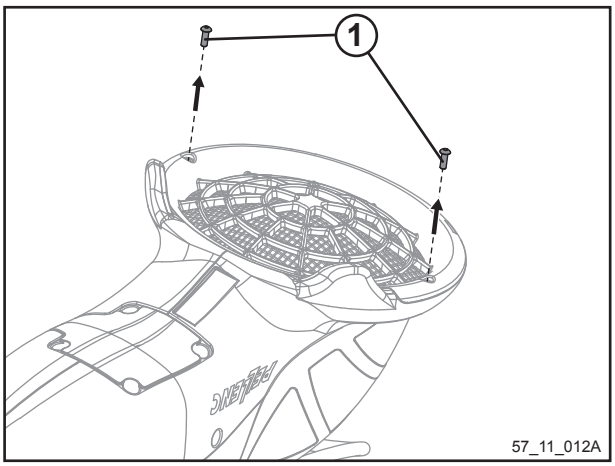
Keep your blower clean by wiping it regularly with a soft moist cloth.
Using an air compressor, (10 bars), blow the tool, the grille and the propeller on a regular basis to limit fouling.
Check that the whole air duct (from the intake to the outlet) is not obstructed.
Ensure that air intake grille holes are not obstructed.
Replace the fine screen in case of damage, even partial.

CAUTION:
Never use solvents (Trichlorethylene, White Spirit, gasoline, etc) to clean the tool.

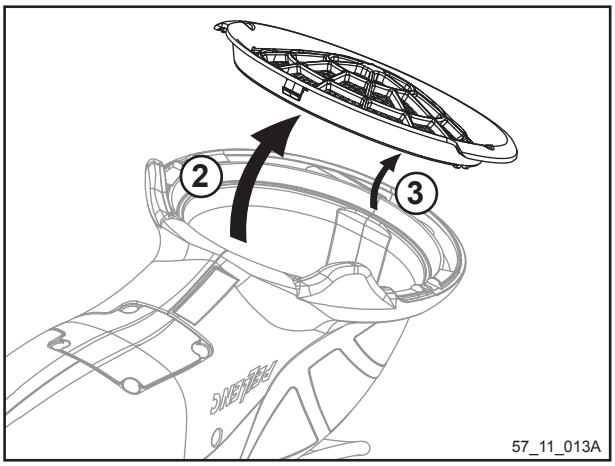
AIR INTAKE GRILLE CLEANING (OR REPLACEMENT)

DISASSEMBLY

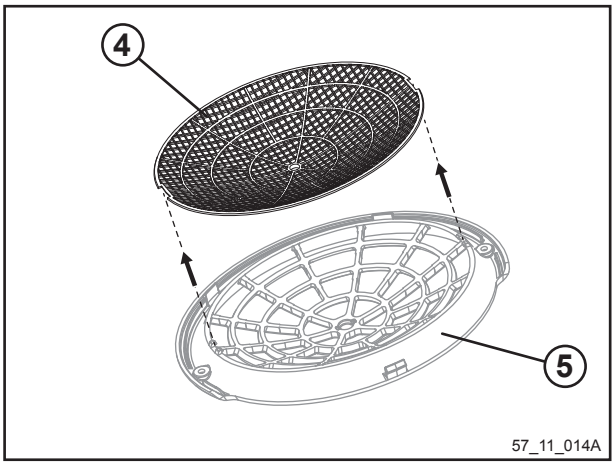
- Remove the two grille TBHC M4x14 screws (1).



- Unclip the grille from the casing in the order indicated: (2) then (3).



- Disassemble the fine grille (4) from the main grille (5) for cleaning (or replacement).



ASSEMBLY

- Assemble the fine grille (4) with the main grille (5).
- Clip the grille onto the casing in the order indicated: (2) then (3).
- Install the two grille TBHC M4x14 screws (1).

CAUTION
Risk of impact with rotating parts when air intake grilles are not mounted.
Never use a tool without fully mounted and secured air intake grilles.

SERVICING INTERVALS

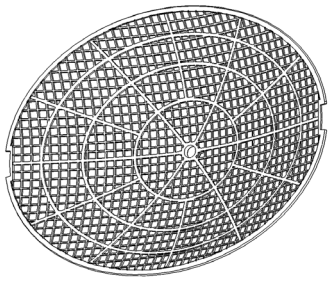
	Each time the tool is used	After use		Each year or when necessary
Clean the tool		X		
Visually inspect the tool	X			
Check the clogging of the grilles; clean, if necessary	X	X		
Check the rotor; clean, if necessary			X	
Check the battery charge level	X			
Safety label replacement			X	
Send the tool to an approved dealer for inspection				X

REMARK:
Have your blower overhauled every 400 hours or at least once a year.
When the tool is stored, it must be clean and the battery must be charged.

INSTRUCTIONS FOR REPAIRING

CAUTION!
Only perform the maintenance and servicing interventions described in this manual.
More important repairs can only be carried out by an approved Pellenc dealer.

PART NUMBERS FOR SPARE PARTS

83335	
Fine grille	

STORAGE

- Always make sure the tool is clean and its battery is charged before storing it.
- Store the tool away from humidity and dust.
- Store the tool in a safe place, out of reach of children and unauthorized persons.

Symptoms	Battery start/stop switch position	Condition of diodes	Probable cause	Checks	Solutions	Repaired by
The tool does not start	0	Off	Battery off	Battery switch	Switch on the battery switch	User
	I	Off	The power cord is sectioned	Check the cord's condition	Change the cord	PELLENC approved dealer
			Battery	Check that the battery is not completey discharged	Recharge the battery	User
			Electronic board	At PELLENC approved dealer premises	Change the electronic board if the diodes remain off after starting and checking the previous points	PELLENC approved dealer
		On	A trigger no longer functions	At PELLENC approved dealer premises	Change the trigger or sensor	PELLENC approved dealer
			Electronic board	At PELLENC approved dealer premises	Change the electronics board	PELLENC approved dealer

Symptoms	Condition of battery start/stop switch	Condition of diodes	Probable cause	Checks	Solutions	Repaired by
The tool stops during use	I	On	A trigger no longer functions	At PELLENC approved dealer premises	Change the trigger or sensor	PELLENC approved dealer
		Off	The power cord is sectioned	Check the condition of the cord	Change the cord	PELLENC approved dealer
			The tool has reached its temperature limit	4 beeps on the battery	Allow tool to cool for approximately 5 minutes	User
			The battery is discharged	When stopped, check the battery charge level indicated on the side display	Recharge the battery (if less than 10%)	User
The blower makes an unusual noise or vibrates abnormally	I	On	Air flow duct obstructed or blocked (air intake elbow, blowing tube, nozzle, etc.)	Check the condition of the duct	Clean the duct	User
			Dirty or damaged rotor	Check the condition of the rotor	Clean or replace the rotor	User
Loss of efficiency of the air flow	I	On	Blocked air intake grille	Check the condition of the grille	Clean or replace the grille	User
			Dirty or damaged rotor	Check the condition of the rotor	Clean the rotor	User
					Replace the rotor	PELLENC approved dealer

«PELLENC SA» TERMS OF WARRANTY AND NON-RESPONSIBILITY CLAUSE MACHINE RANGE FOR OEP

In the event of failure of a mechanical part and subject to normal, rational use and maintenance in compliance with the maintenance manual, **PELLENC sa guarantees its products for a period of ONE YEAR** as of delivery; this time shall not exceed a period of 18 months following departure from the factory of the equipment under warranty : on one hand in accordance with the conditions stipulated in the warranties of PELLENC sa and on the other hand subject to the delivery report indicating the commissioning date was made known to PELLENC sa.

In the event of an accident and total or partial destruction of the product, PELLENC sa's warranty can only be granted, and their responsibility engaged, if the party claiming the warranty can provide technical proof specifying the origin of the accident, a defect in materials or a structural defect and the product components which are the cause of it.

This contractual warranty excludes any other responsibility of PELLENC sa, whether implicit or explicit. For this reason, the responsibility of PELLENC sa can not exceed the limits defined above and covers, to a limited extent, repair **or** replacement, as chosen by PELLENC sa, of parts recognized to be defective and, when applicable, the labour required to perform the repair or replacement on the basis of warranty time as defined by PELLENC sa.

Any maintenance or repair work whatsoever carried out during the warranty period shall mandatorily be performed by PELLENC sa or by a PELLENC sa authorized dealer, under penalty of forfeiture of the warranty.

All costs arising from the immobilization, movement, approach and transport shall be, in all events, for the sole account of the purchaser.

As concerns parts or equipment that are not manufactured by PELLENC sa, in particular ball screw, battery, etc., the warranty is limited to that of the suppliers to PELLENC sa. Normal wear parts worn out as the result of use are never under warranty.

PELLENC sa and the authorized dealer shall not be liable in the following cases:
- Malfunctions due to faulty servicing, user inexperience or abnormal use.
- Failure to perform overhauls and checks in accordance with manufacturer's instructions.
- Replacement of genuine parts or accessories with parts of accessories of another origin, or when the machine sold has been transformed or modified.

This warranty is explicitly limited to the terms defined above. **PELLENC sa shall not be liable, under any circumstances, for payment of any indemnity for any reason whatsoever**.

However, it is specified, in compliance with the provisions of decree No. 78.464 dated March 24th 1978, that this contractual guarantee does not replace the legal guarantee which obliges the seller to guarantee the buyer against the consequences of defects or hidden defects of the object sold.

"EC" DECLARATION OF CONFORMITY

MACHINES DIRECTIVE 2006/42/CE, APPENDIX IIA.

(ONLY CONCERNS EUROPE)

MANUFACTURER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)
PERSON/ENTITY AUTHORISED TO COMPILE THE TECHNICAL DOSSIER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)

WE HEREBY DECLARE THAT, FOR THE MACHINE HEREINAFTER REFERRED TO AS:

GENERIC DENOMINATION	HAND-HELD BLOWER
FUNCTION	MAINTENANCE WORK IN GREEN SPACES AND ON PUBLIC ROADS
COMMERCIAL NAME	AIRION
TYPE	AIRION
MODEL	AIRION
SERIAL No.	

COMPLIES WITH THE PERTINENT PROVISIONS OF THE MACHINES DIRECTIVE (2006/42/CE)

AND COMPLIES WITH THE PROVISIONS OF THE FOLLOWING OTHER EUROPEAN DIRECTIVES:
- 2004/108/CE
- 2000/14/CE

Sound Level at the maximum operating rating

Symbol	Value	Unit	Reference	Comment
L_{WAm}	89	dB(A)	1 pW	Measured sound power level
L_{WAg}	92	dB(A)	1 pW	Guaranteed sound power level

The recording of the measured sound power level and of the guaranteed sound power level has been performed according to a procedure in accordance with directive 2000/14/CE appendix V.

CONCLUDED AT PERTUIS, DATED 02/05/2013
ROGER PELLENC
CHIEF EXECUTIVE OFFICER